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<110> Devgen N.V.

<120> Amino acid sequences useful for developing compounds for the prevention and/or treatment of metabolic diseases and nucleotide sequences encoding such amino acid sequences.

<130> P 02/003 PCT

<160> 9

<170> PatentIn version 3.1

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<212> PRT

<213> Caenorhabditis elegans

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Ser Thr Leu Arg Phe Gly Lys Gly Val Thr Leu Glu Ile Gly Tyr Asp
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Val Arg Asn Leu Gly Ala Lys Lys Thr Leu Leu Ile Thr Asp Lys Asn
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Val Gln Asn Thr Ile Ala Phe Lys Asn Ala Glu Gln Ala Leu Lys Met
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Val Asn Ile Glu Tyr Glu Val Phe Asp Asp Val Leu Ile Glu Pro Thr
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Val Asn Ser Met Gln Lys Ala Ile Ala Phe Ala Lys Ser Lys Gln Phe
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Asp Ser Phe Ile Ala Val Gly Gly Gly Ser Val Ile Asp Thr Thr Lys
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Ala Ala Ala Leu Tyr Ala Ser Asn Pro Glu Ala Asp Phe Leu Asp Phe
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Val Gly Pro Pro Phe Gly Lys Ser Met Gln Pro Lys Asn Pro Met Leu
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Pro Leu Ile Ala Val Pro Thr Thr Ala Gly Thr Gly Ser Glu Thr Thr
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Ala Ala Ala Ile Met Asp Leu Pro Glu His Lys Cys Lys Thr Gly Ile
195 200 205

Arg Leu Arg Cys Ile Lys Pro Tyr Leu Ala Val Val Asp Pro Leu Asn
210 215 220

Val Met Ser Met Pro Arg Asn Val Ala Ile Tyr Ser Gly Phe Asp Val
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Leu Cys His Ala Leu Glu Ser Phe Thr Ala Leu Pro Phe Asp Gln Arg
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Ser Pro Arg Pro Glu Asn Pro Gly Val Arg Pro Leu Tyr Gln Gly Ser
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Asn Pro Ile Ser Asp Val Trp Ser Lys Glu Ala Leu Arg Ile Ile Gly
275 280 285

Lys Tyr Phe Arg Arg Ser Ile Phe Asp Pro Thr Asp Glu Glu Ala Arg
290 295 300

Thr Glu Met Leu Lys Ala Ser Ser Phe Ala Gly Ile Gly Phe Gly Asn
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Ala Gly Val His Leu Cys His Gly Leu Ser Tyr Pro Ile Ser Ser Gln
325 330 335

Ala Lys Ser Cys Val Ala Asp Asp Tyr Pro Lys Glu Lys Asn Leu Ile
340 345 350

Pro His Gly Leu Ser Val Met Thr Thr Ala Val Ala Asp Phe Glu Phe
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Thr Thr Ala Ala Cys Pro Asp Arg His Leu Ile Ser Ala Gln Thr Leu
370 375 380

Gly Ala Asp Ile Pro Asn Asn Ala Ser Asn Glu Tyr Ile Ser Arg Thr
385 390 395 400

Leu Cys Asp Arg Leu Arg Gly Tyr Met Arg Asp Phe Gly Val Pro Asn
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Gly Leu Lys Gly Met Gly Phe Glu Phe Ser Asp Ile Glu Met Leu Thr
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<212> DNA

<213> Caenorhabditis elegans

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<213> Caenorhabditis elegans

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<212> PRT

<213> Homo sapiens

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35 40 45

Met Ala Val Ser Asn Ile Arg Tyr Gly Ala Ala Val Thr Lys Glu Val
50 55 60

Gly Met Asp Leu Lys Asn Met Gly Ala Lys Asn Val Cys Leu Met Thr
65 70 75 80

Asp Lys Asn Leu Ser Lys Leu Pro Pro Val Gln Val Ala Met Asp Ser
85 90 95

Leu Val Lys Asn Gly Ile Pro Phe Thr Val Tyr Asp Asn Val Arg Val
100 105 110

Glu Pro Thr Asp Ser Ser Phe Met Glu Ala Ile Glu Phe Ala Gln Lys
115 120 125

Gly Ala Phe Asp Ala Tyr Val Ala Val Gly Gly Gly Ser Thr Met Asp
130 135 140

Thr Cys Lys Ala Ala Asn Leu Tyr Ala Ser Ser Pro His Ser Asp Phe
145 150 155 160

Leu Asp Tyr Val Ser Ala Pro Ile Gly Lys Gly Lys Pro Val Ser Val
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Pro Leu Lys Pro Leu Ile Ala Val Pro Thr Thr Ser Gly Thr Gly Ser
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Glu Thr Thr Gly Val Ala Ile Phe Asp Tyr Glu His Leu Lys Val Lys
195 200 205

Ile Gly Ile Thr Ser Arg Ala Ile Lys Pro Thr Leu Gly Leu Ile Asp
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Pro Leu His Thr Leu His Met Pro Ala Arg Val Val Ala Asn Ser Gly
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Phe Asp Val Leu Cys His Ala Leu Glu Ser Tyr Thr Thr Leu Pro Tyr
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His Leu Arg Ser Pro Cys Pro Ser Asn Pro Ile Thr Arg Pro Ala Tyr
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Gln Gly Ser Asn Pro Ile Ser Asp Ile Trp Ala Ile His Ala Leu Arg
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Ile Val Ala Lys Tyr Leu Lys Arg Ala Val Arg Asn Pro Asp Asp Leu
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Glu Ala Arg Ser His Met His Leu Ala Ser Ala Phe Ala Gly Ile Gly
305 310 315 320

Phe Gly Asn Ala Gly Val His Leu Cys His Gly Met Ser Tyr Pro Ile
325 330 335

Ser Gly Leu Val Lys Met Tyr Lys Ala Lys Asp Tyr Asn Val Asp His
340 345 350

Pro Leu Val Pro His Gly Leu Ser Val Val Leu Thr Ser Pro Ala Val
355 360 365

Phe Thr Phe Thr Ala Gln Met Phe Pro Glu Arg His Leu Glu Met Ala
370 375 380

Glu Ile Leu Gly Ala Asp Thr Arg Thr Ala Arg Ile Gln Asp Ala Gly
385 390 395 400

Leu Val Leu Ala Asp Thr Leu Arg Lys Phe Leu Phe Asp Leu Asp Val
405 410 415

Asp Asp Gly Leu Ala Ala Val Gly Tyr Ser Lys Ala Asp Ile Pro Ala
420 425 430

Leu Val Lys Gly Thr Leu Pro Gln Glu Arg Val Thr Lys Leu Ala Pro
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Lys Leu Tyr
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<212> DNA

<213> Homo sapiens

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1080

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<213> Homo sapiens

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Asp Lys Asn Leu Ser Lys Leu Pro Pro Val Gln Val Ala Met Asp Ser
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Leu Val Lys Asn Gly Ile Pro Phe Thr Val Tyr Asp Asn Val Arg Val
50 55 60

Glu Pro Thr Asp Ser Ser Phe Met Glu Ala Ile Glu Phe Ala Gln Lys
65 70 75 80

Gly Ala Phe Asp Ala Tyr Val Ala Val Gly Gly Gly Ser Thr Met Asp
85 90 95

Thr Cys Lys Ala Ala Asn Leu Tyr Ala Ser Ser Pro His Ser Asp Phe

100 105 110

Leu Asp Tyr Val Ser Ala Pro Ile Gly Lys Gly Lys Pro Val Ser Val
115 120 125

Pro Leu Lys Pro Leu Ile Ala Val Pro Thr Thr Ser Gly Thr Gly Ser
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Glu Thr Thr Gly Val Ala Ile Phe Asp Tyr Glu His Leu Lys Val Lys
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Ile Gly Ile Thr Ser Arg Ala Ile Lys Pro Thr Leu Gly Leu Ile Asp
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Pro Leu His Thr Leu His Met Pro Ala Arg Val Val Ala Asn Ser Gly
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Phe Asp Val Leu Cys His Ala Leu Glu Ser Tyr Thr Thr Leu Pro Tyr
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His Leu Arg Ser Pro Cys Pro Ser Asn Pro Ile Thr Arg Pro Ala Tyr
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Gln Gly Ser Asn Pro Ile Ser Asp Ile Trp Ala Ile His Ala Leu Arg
225 230 235 240

Ile Val Ala Lys Tyr Leu Lys Arg Ala Val Arg Asn Pro Asp Asp Leu
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Glu Ala Arg Ser His Met His Leu Ala Ser Ala Phe Ala Gly Ile Gly
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Phe Gly Asn Ala Gly Val His Leu Cys His Gly Met Ser Tyr Pro Ile
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Ser Gly Leu Val Lys Met Tyr Lys Ala Lys Asp Tyr Asn Val Asp His
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Pro Leu Val Pro His Gly Leu Ser Val Val Leu Thr Ser Pro Ala Val
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Phe Thr Phe Thr Ala Gln Met Phe Pro Glu Arg His Leu Glu Met Ala
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Glu Ile Leu Gly Ala Asp Thr Arg Thr Ala Arg Ile Gln Asp Ala Gly
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Leu Val Leu Ala Asp Thr Leu Arg Lys Phe Leu Phe Asp Leu Asp Val
355 360 365

Asp Asp Gly Leu Ala Ala Val Gly Tyr Ser Lys Ala Asp Ile Pro Ala
370 375 380

Leu Val Lys Gly Thr Leu Pro Gln Glu Arg Val Thr Lys Leu Ala Pro
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Arg Pro Gln Ser Glu Glu Asp Leu Ala Ala Leu Phe Glu Ala Ser Met
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Lys Leu Tyr

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<212> DNA

<213> Homo sapiens

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